

In the Claims:

1. *(previously amended)* A current acquisition coil according to the Rogowski principle with printed conductors (22, 23, 24, 25), whose configuration yields a coil winding (20, 21), and whose printed conductor ends are connected to each other by through platings (26, 27, 28, 29) on a printed circuit board (1, 10), wherein the current acquisition coil is open on at least one side, thereby generating a gap (7) that can be opened and then closed again.
2. *(cancelled)*
3. *(cancelled)*
4. *(cancelled)*
5. *(currently amended)* A current acquisition coil according to claim 1 [[, 2,]] [[3,]] [[or]] [[4]], wherein the printed circuit board (1, or 1 and 10) of the current acquisition coil is [[built around]] **made of** several layers.
6. *(previously amended)* A current acquisition coil according to claim 5, wherein two layers are provided for the printed conductors of an incoming winding (22, 22a, 23, 23a), and two additional layers are provided for the printed conductors of a returning winding (24, 24a, 25, 25a).

7. *(currently amended)* A current acquisition coil according to claim 1, [[2,]] [[3,]] [[4,]] 5, or 6, wherein components for an electronic evaluation circuit (19), which issues a scaled signal to an output (13), are arranged on [[the]] a printed circuit board segment ([[1]]) 9) not used for the coil.
8. *(currently amended)* A current acquisition coil according to the Rogowski principle with printed conductors (22, 23, 24, 25), whose arrangement yields a coil winding (20, 21), and whose printed conductor ends are connected to each other by through platings (26,27, 28, 29) on a printed circuit board (1, 10), wherein [[a]] the printed circuit board (1, 10) for a conductor to be measured accommodates electrical terminals (56), which are connected to each other via printed conductors (52, 54) and at least one through plating (53) in an axial direction in a center of the coil.
9. *(currently amended)* A current acquisition coil according to claim 8, wherein the printed circuit board (1, or 1 and 10) of the current acquisition coil is [[built around]] made of several layers.
10. *(previously amended)* A current acquisition coil according to claim 9, wherein two layers are provided for the printed conductors of an incoming winding (22, 22a, 23, 23a), and two additional layers are provided for the printed conductors of a returning winding (24, 24a, 25, 25a).
11. *(currently amended)* A current acquisition coil according to claim 8, 9, or 10, wherein components for an electronic evaluation circuit (19), which issues a scaled signal to

an output (13), are arranged on [[the]] a printed circuit board segment ([[1]] 9) not used for the coil.

12. *(new)* A current acquisition coil according to the Rogowski principle with printed conductors (22, 23, 24, 25), whose configuration yields a coil winding (20, 21), and whose printed conductor ends are connected to each other by through platings (26, 27, 28, 29) on a printed circuit board (1, 10), wherein the current acquisition coil is open on at least one side, thereby generating a gap (7) that can be opened and then closed again, wherein the coil comprises two annular printed circuit board segments (1, 10), which are connected to each other on one side by a hinge (6).
13. *(new)* A current acquisition coil according to the Rogowski principle with printed conductors (22, 23, 24, 25), whose configuration yields a coil winding (20, 21), and whose printed conductor ends are connected to each other by through platings (26, 27, 28, 29) on a printed circuit board (1, 10), wherein the current acquisition coil is open on at least one side, thereby generating a gap (7) that can be opened and then closed again, wherein the printed conductor ends (13) of the coil winding on a first printed circuit board segment (1) are connected by means of flexible conductors (12) with the printed conductor ends (13) of the coil winding on a second printed circuit board segment (10).
14. *(new)* A current acquisition coil according to the Rogowski principle with printed conductors (22, 23, 24, 25), whose configuration yields a coil winding (20, 21), and whose printed conductor ends are connected to each other by through platings (26, 27, 28, 29) on a printed circuit board (1, 10), wherein the current acquisition coil is open

on at least one side, thereby generating a gap (7) that can be opened and then closed again, wherein the coil comprises a single-piece, slitted, and twistable printed circuit board segment (1).